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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/423,401	11/05/1999	Gang Li	36368/DRK	6360	
7590 10/28/2005			EXAM	EXAMINER	
Daniel R. Kimbell			JACKSON JI	JACKSON JR, JEROME	
CHRISTIE, PARKER & HALE P.O. Box 7068		ART UNIT	PAPER NUMBER		
Pasadena, CA 91109-7068			2815		

DATE MAILED: 10/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

Office Action Summary		Application No.	Applicant(s)				
		09/423,401	Li ET AL.				
		Examiner	Art Unit				
		Jerome Jackson Jr.	2815				
Period fo	- The MAILING DATE of this communication apor Reply	opears on the cover sheet with th	e correspondence address				
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLEMENTS IS LONGER, FROM THE MAILING Insions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period for eply within the set or extended period for reply will, by stature to reply within the set or extended period for reply will, by stature to received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICAT .136(a). In no event, however, may a reply b d will apply and will expire SIX (6) MONTHS f tte, cause the application to become ABANDO	ION. e timely filed rom the mailing date of this communication. DNED (35 U.S.C. § 133).				
Status							
1)	Responsive to communication(s) filed on						
7—		—· is action is non-final.					
3)							
٠,٣	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dienociti	ion of Claims		•				
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-	Claim(s) <u>1-28</u> is/are pending in the applicatio		•				
	4a) Of the above claim(s) is/are withdra	awn from consideration.					
· · · · · · · · · · · · · · · · · · ·	Claim(s) is/are allowed.						
	Claim(s) is/are rejected.		·				
7)∐	• • • • • • • • • • • • • • • • • • • •						
8)[🔀	Claim(s) <u>1-28</u> are subject to restriction and/or	r election requirement.					
Applicati	ion Papers						
9)	The specification is objected to by the Examir	ner.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
<i>,</i> —	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the corre						
11)	The oath or declaration is objected to by the E	• • • • • • • • • • • • • • • • • • • •	·				
•							
	under 35 U.S.C. § 119						
	Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. § 119	i(a)-(d) or (f).				
a)	a) ☐ All b) ☐ Some * c) ☐ None of:						
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the pri	•	eived in this National Stage				
	application from the International Bure	• • • • • • • • • • • • • • • • • • • •					
* 5	See the attached detailed Office action for a lis	st of the certified copies not rece	ived.				
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Attachmen		_					
	te of References Cited (PTO-892)	4) Interview Summ					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date Notice of Informal Patent Application (PTO-							
	r No(s)/Mail Date	6) Other:					

Restriction to one of the following inventions is required under 35 U.S.C. 121:

Claims 1-22,27,28, drawn to a device, classified in class 257, subclass
 183.

II. Claims 23-26, drawn to a process, classified in class 438, subclass 15+.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by a materially different process such as forming the heterostructure with MBE and without "post-annealing".

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

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remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Jackson Jr. whose telephone number is 571-272-1730. The examiner can normally be reached on M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on 571-272-1664. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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